

DATA TRENDS, INC.

A DATANNOUNCEMENT



UNIVERSAL BUFFER

DTI 100

The Universal Buffer (DTI 100) is a message concentrating system that accepts information from up to one hundred standard telegraph data lines, or other data channels, and allows the associated user to share a common telephone data channel to a distant computer. All terminals, such as MIMOs or teletypewriters, may be operating simultaneously in a full duplex mode.

In addition to its basic functions of message assembly and disassembly, the DTI 100 also performs the tasks of code and format conversion, line identification, input-output timing, and communication line monitoring.

The telephone data channel interconnecting the DTI 100 with the computer may have a capability ranging from 1200 to 2400 bits per second, depending upon the expected traffic load. Communication is via the ASCII code, though other transmission codes are available. Error detection with retransmission of messages in error assures system reliability.

Standard leased telegraph or telephone data lines or Data-Phone services may be used to connect the terminals with the Buffer. In the event of communication line failure, the DTI 100 will transfer a Line Fault message to the computer for diagnostic print out.

The DTI 100 offers greater capability and flexibility at lower cost than previously announced Buffers. In summary, the DTI 100 is another in the family of Data Trends products which utilize the latest in engineering techniques and know-how to provide the most efficient and economical data communication systems.

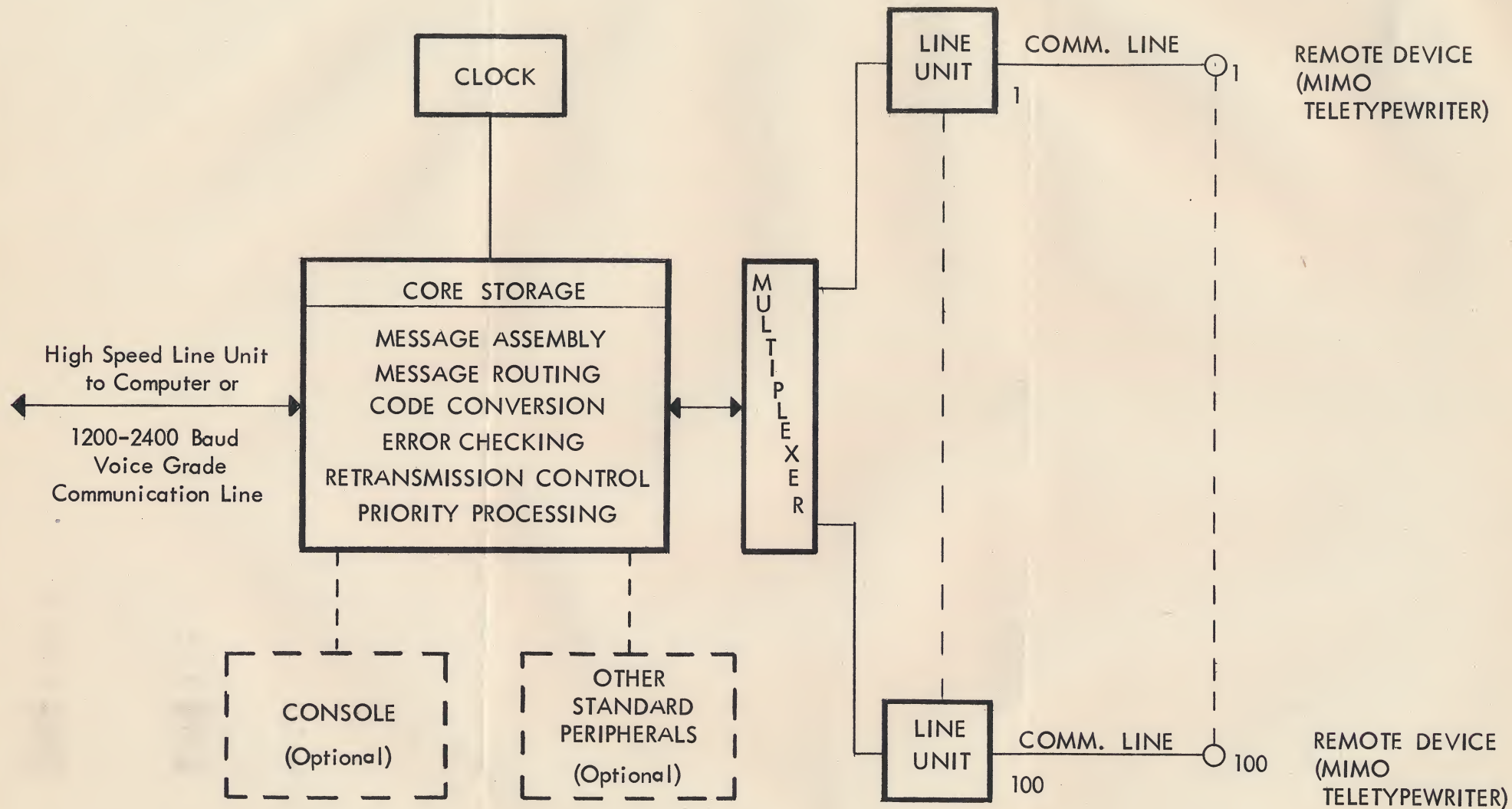
FOR FURTHER INFORMATION, CONTACT . . .

DATA TRENDS, INC.

1259 Route 46

Parsippany, New Jersey

TEL (201) 334-1515



DTI 100 UNIVERSAL BUFFER
BLOCK DIAGRAM



DATA TRENDS, INC.

1259 Route 46 Parsippany, New Jersey 07054
Tel. (201) 334-1515

19 March 1965

Mr. Ted Nelson
Interlocking Systems Company
P. O. Box 1546
Poughkeepsie, New York 12603

Dear Mr. Nelson:

We are pleased to present the DTI 100 Universal Buffer, newest member of our growing family of products designed and engineered to provide efficient, economical data communication systems. The DTI 100 Universal Buffer, successor to the Data Trends Local and Remote Universal Buffers, derives its name from its ability to handle up to 100 telegraph data lines, or other data channels, simultaneously. The DTI 100 provides excellent communication handling capability and flexibility at low cost.

In addition to its basic functions of message assembly and disassembly, the versatile Buffer can do much of the preprocessing of communications oriented data, thus relieving the computer of this chore and thereby increasing computer utilization efficiency. Built-in system reliability, inherent in all DTI products and systems, is assured through error detection and retransmission of messages in error.

The enclosed literature will familiarize you with the general capabilities of our Universal Buffer, and I will welcome an opportunity to supply detailed information on how one of our DTI 100s can improve the speed and efficiency of your present message handling system.

Very truly yours,

Donald W. Spreen
Director of Marketing

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